



# igus® DryLin® R Hard-Anodized Shafts

igus® DryLin® R hard-anodized shafts were specifically developed as the optimal sliding surface for DryLin R linear bearings. Available in four diameters and three lengths of both round shafting and fully supported shafting.

## Features

- 6061-T6 aluminum hard-anodized to 450-550 HV surface hardness
- Round and fully supported styles
- Four diameters and three lengths up to 1000mm
- Best choice of shafting to use with DryLin R bearings



igus® DryLin® R Hard-Anodized Shafts										
Item Photo	Part Number	Shaft Type	Diameter (inch)	Length (mm)	Material	Surface Hardness	Qty. per Package	Weight (lb)	Price	Drawing Link
	<b>A-AWUI-08-250</b>	Supported	1/2	250	Hard-anodized aluminum	450-550 HV	1	0.54	\$17.00	<a href="#">PDF</a>
	<b>A-AWUI-08-500</b>			500			1	1.07	\$31.00	<a href="#">PDF</a>
	<b>A-AWUI-08-1000</b>			1000			1	2.13	\$61.00	<a href="#">PDF</a>
	<b>A-AWUI-12-250</b>		3/4	250			1	0.92	\$23.00	<a href="#">PDF</a>
	<b>A-AWUI-12-500</b>			500			1	1.85	\$44.00	<a href="#">PDF</a>
	<b>A-AWUI-12-1000</b>			1000			1	3.67	\$89.00	<a href="#">PDF</a>
	<b>A-AWUI-16-250</b>		1	250			1	1.23	\$27.00	<a href="#">PDF</a>
	<b>A-AWUI-16-500</b>			500			1	2.46	\$53.00	<a href="#">PDF</a>
	<b>A-AWUI-16-1000</b>			1000			1	4.92	\$105.00	<a href="#">PDF</a>
	<b>A-AWI-04-250</b>	Round	1/4	250			1	0.05	\$9.25	<a href="#">PDF</a>
	<b>A-AWI-04-500</b>			500			1	0.10	\$16.50	<a href="#">PDF</a>
	<b>A-AWI-04-1000</b>			1000			1	0.20	\$33.00	<a href="#">PDF</a>
	<b>A-AWI-08-250</b>		1/2	250			1	0.19	\$10.50	<a href="#">PDF</a>
	<b>A-AWI-08-500</b>			500			1	0.39	\$19.50	<a href="#">PDF</a>
	<b>A-AWI-08-1000</b>			1000			1	0.77	\$39.00	<a href="#">PDF</a>
	<b>A-AWI-12-250</b>		3/4	250			1	0.43	\$15.50	<a href="#">PDF</a>
	<b>A-AWI-12-500</b>			500			1	0.87	\$29.00	<a href="#">PDF</a>
	<b>A-AWI-12-1000</b>			1000			1	1.73	\$57.00	<a href="#">PDF</a>
	<b>A-AWI-16-250</b>		1	250	1	0.77	\$21.00	<a href="#">PDF</a>		
	<b>A-AWI-16-500</b>			500	1	1.53	\$39.00	<a href="#">PDF</a>		
	<b>A-AWI-16-1000</b>			1000	1	3.05	\$79.00	<a href="#">PDF</a>		



## DryLin® Shafting

- Available in supported versions
- Aluminum for low weight
- Diameters 1/2 - 1 inch

# DryLin® Shafts



The "all-rounder" – iglide® J



The specialist – iglide® J200



The extreme – iglide® T500 (X)\*



The marathon runner – iglide® E7



FDA compliant – iglide® A180

	The "all-rounder" – iglide® J	The specialist – iglide® J200	The extreme – iglide® T500 (X)*	The marathon runner – iglide® E7	FDA compliant – iglide® A180
<b>Optimal shaft material(s)</b>	all shaft materials	Aluminum, hard anodized	Hardened stainless steel Hard chrome plated steel	Steel stainless steel shaft	all shaft materials
<b>Application temperature</b>	-40°F to +194°F (-40°C to +90°C)	-40°F to +194°F (-40°C to +90°C)	-148°F to +482°F (-100°C to +250°C)	-40°F to +194°F (-40°C to +90°C)	-40°F to +194°F (-40°C to +90°C)
<b>Best coefficient of friction with</b>	Steel shaft	Aluminum, hard anodized	Steel, hard chrome-plated, SS	Steel stainless steel shaft	Stainless steel shaft
<b>Maximum life time</b>	Aluminum, hard anodized	Aluminum, hard anodized	Hardened stainless steel	Steel stainless steel shaft	Stainless steel shaft
<b>Permissible stat. surface pressure</b>	35 MPa	23 MPa	150 MPa	18 MPa	28 MPa
<b>Moisture absorption</b>	1.3% weight	0.7% weight	0.5% weight	< 0.1% weight	0.2% weight
<b>Volume resistance</b>	> 10 <sup>13</sup> Ωcm	> 10 <sup>8</sup> Ωcm	< 10 <sup>5</sup> Ωcm	> 10 <sup>9</sup> Ωcm	> 10 <sup>12</sup> Ωcm
<b>Part No.</b>	JUM-...	J200UM-...	TUM-.../XUM-...	E7UM-...	A180UM-...

## Available shaft materials:

### Aluminum

- Ideal in combination with liners made from iglide® J/J200
- Lightweight
- Lower wear
- Corrosion resistant
- Available from stock

### Steel

- Ideal with E7 liner
- Low-priced standard
- High load capacity
- Dry area applications
- Hard chrome-plated also available
- Lower coefficient of friction against plastic bearings

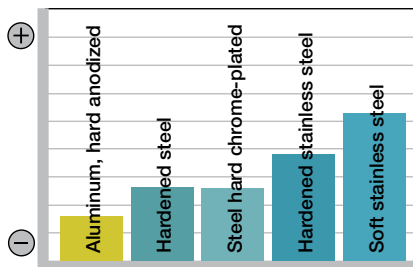
### Stainless steel

- Ideal with E7 liner
- High corrosion resistance
- High chemical resistance
- Ideal solution for wet applications
- 300 series for extremely chemical intensive applications



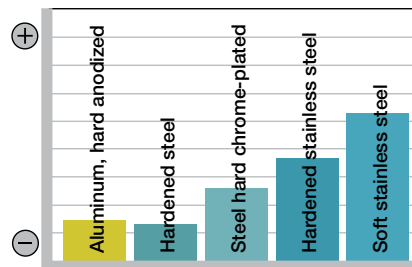
Please remember that this is a technical surface. Small color variations are possible due to variable coating depths.

### Wear



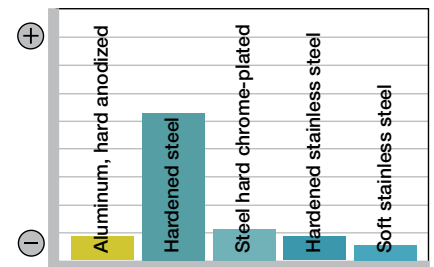
iglide® J against particular shaft materials

### Coefficient of friction



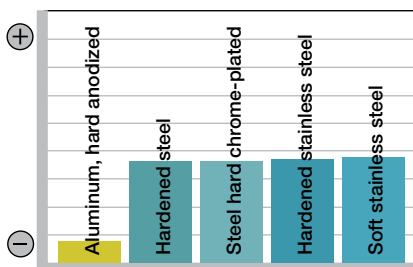
iglide® J against particular shaft materials

### Corrosion

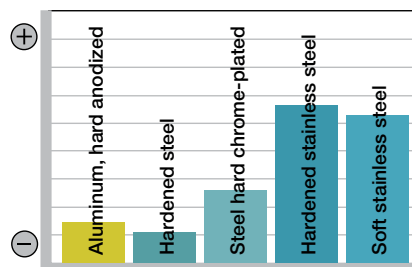


iglide® J against particular shaft materials

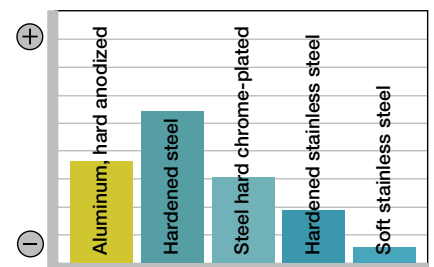
### Weight



### Costs



### Chemical contamination



\*X is the European equivalent material for iglide® T500